

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings. of claims in the application:

Listing of Claims:

1-7. (cancelled)

8. (currently amended) A method of [isolated and purified] isolating and purifying *Pfiesteria* toxin, comprising the steps of:

(a) culturing a *Pfiesteria* species in a growth media to produce *Pfiesteria* toxin therein;
(b) separating a first fraction of organic compounds including said *Pfiesteria* toxin from said growth media;

(c) separating a second fraction consisting essentially of said *Pfiesteria* toxin from said first fraction by chromatography with porous silica beads
wherein said porous silica beads are Iatrobeads.

9. (previously presented) The method of claim 8, wherein said second fraction is characterized by an NMR spectrum as given in **Figure 1** herein.

10. (cancelled)

11. (previously presented) The method of claim 8, wherein said porous silica beads are 6RS-8060 Iatrobeads.

12. (previously presented) The method of claim 8, wherein said *Pfiesteria* species is selected from the group consisting of *Pfiesteria piscicida* and *Pfiesteria shumwayae*.

13. (previously presented) The method of claim 8, wherein said *Pfiesteria* species is *Pfiesteria piscicidae*.

14. (previously presented) The method of claim 8, wherein said *Pfiesteria* species is *Pfiesteria shumwayae*.

15. (new) A method of isolating and purifying *Pfiesteria* toxin, comprising the steps of:
(a) culturing a *Pfiesteria* species in a growth media to produce *Pfiesteria* toxin therein;
(b) separating a first fraction of organic compounds including said *Pfiesteria* toxin from said growth media;

(c) separating a second fraction consisting essentially of said *Pfiesteria* toxin from said first fraction by chromatography with porous silica beads; wherein:

said porous silica beads are Iatrobeads;

said second fraction is characterized by an NMR spectrum as given in **Figure 1** herein;

and

said *Pfiesteria* species is selected from the group consisting of *Pfiesteria piscicida* and *Pfiesteria shumwayae*.

16 (new). The method of claim 15, wherein said porous silica beads are 6RS-8060 Iatrobeads.